

Title (en)

Multilayer pipe made of polyamides and fluoropolymer for conveying fuel

Title (de)

Mehrschichtiges Rohr aus Polyamiden und Fluoropolymeren für den Kraftstofftransport

Title (fr)

Tube multicouche à base de polyamides et de fluoropolymère pour le transport d'essence

Publication

EP 1243832 B1 20060524 (FR)

Application

EP 02290621 A 20020312

Priority

FR 0103932 A 20010323

Abstract (en)

[origin: EP1243832A1] Multilayer tubing comprises an outside layer of polyamide, a middle layer comprising a blend of fluoropolymer and polyalkyl methacrylate, and a gasoline-contacting inside layer comprising a polyolefin and optionally carbon black dispersed in a polyamide matrix.

IPC 8 full level

F16L 11/06 (2006.01); **F16L 11/12** (2006.01)

CPC (source: EP)

F16L 11/06 (2013.01); **F16L 11/12** (2013.01)

Citation (examination)

- WO 9511947 A1 19950504 - ATOCHEM ELF SA [FR], et al
- DE 3220380 A1 19831201 - BASF AG [DE]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1243832 A1 20020925; **EP 1243832 B1 20060524**; AT E327463 T1 20060615; DE 60211582 D1 20060629; DE 60211582 T2 20070510; ES 2266420 T3 20070301

DOCDB simple family (application)

EP 02290621 A 20020312; AT 02290621 T 20020312; DE 60211582 T 20020312; ES 02290621 T 20020312